IN THE CLAIMS:

All pending claims and their present status are produced below.

1. (Currently Amended) A computer-implemented method for the real-time tracking of goods in a supply chain, including:

affixing a tag to each good to be tracked ~~and/or to each conveyance used to store or carry the goods~~;

marking a location of one of the goods at a data appliance and storing information on said location at a site server coupled to said data appliance;

uploading said information to a data center, said data center coupled to said site server;

compensating for missing information by using a previous tag read and a current tag read; and

charging users of said supply chain a fee dependent on the number of tracked goods to access said data center and view reports compiled using said location information regarding each tracked good.

2. (Currently Amended) The method of claim 1, further including aggregating ~~one or more~~ at least two of said goods into a conveyance at a data point and wherein said marking includes indicating an aggregation event occurred at said data point.

3. (Currently Amended) The method of claim 2, wherein said marking further includes performing aggregation-by-inference, wherein an aggregation event occurring at said location for [[a]] said conveyance automatically indicates that said conveyance has been completely filled with ~~items~~ goods.

4. (Original) The method of claim 2, further including performing de-aggregation-by-inference at a second data point, wherein a de-aggregation event indicating that all items have been removed from said conveyance is generated.

5. (Original) The method of claim 1, wherein said tag affixed to said one of the goods is a Radio Frequency Identification (RFID) tag and said marking includes scanning said tag affixed to said one of the goods using an RFID reader.

6.   (Currently Amended) The method of claim 1, wherein said one of the goods is stored in ~~one of said conveyances~~ a conveyance, and said marking includes scanning said tag affixed to ~~said one of~~ said ~~conveyances~~ conveyance using a reader.

7.   (Original) The method of claim 1, wherein said marking includes scanning a tag using a tag reader.

8.   (Previously Presented) The method of claim 7, wherein said tag reader is coupled to a data appliance.

9.   (Previously Presented) The method of claim 7, wherein said tag reader is part of a data appliance.

10.   (Original) The method of claim 1, wherein said marking includes tracking said one of the goods using global positioning satellite (GPS) technology.

11.   (Original) The method of claim 1, wherein said storing utilizes the Universal Data Appliance Protocol (UDAP) to communicate said location information from said data appliance to said site server.

12.   (Previously Presented) The method of claim 1, further including accessing said data center and viewing said reports.

13.   (Original) The method of claim 1, further including aggregating a good into a conveyance when said good is loaded into said conveyance and de-aggregating said good from said conveyance when said good is unloaded from said conveyance.

14.   (Cancelled)

15.   (Currently Amended) The method of claim 1, wherein said compensating includes detecting that a missing tag read occurred by learning that a tag read was made on said ~~good~~ one of the goods at a first location and at a third location, but not at a second location, wherein said ~~good~~ one of the goods could not arrive at said third location without first passing through said second location.

16.   (Original) The method of claim 1, further including filtering out any duplicative tag reads.

17.   (Currently Amended) A computer-implemented method for the real-time tracking of goods in a supply chain, including:

affixing a tag to each good to be tracked ~~and/or to each conveyance used to store or carry the goods~~;

marking a location of one of the goods at a data appliance and storing information on said location at a site server coupled to said data appliance;

uploading said location information to a data center, said data center coupled to said site server;

compensating for missing information by using a previous tag read and a current tag read and

charging users of said supply chain a fee per transaction to access said data center and view information regarding each tracked good, each transaction including a single tag read.

18.   (Currently Amended) The method of claim 17, further including aggregating ~~one or more~~ at least two of said goods into a conveyance at a data point and wherein said marking includes indicating an aggregation event occurred at said data point.

19.   (Currently Amendedl) The method of claim 18, wherein said marking further includes performing aggregation-by-inference, wherein an aggregation event occurring at said location for [[a]] said conveyance automatically indicates that said conveyance has been completely filled with items.

20.   (Original) The method of claim 18, further including de-aggregation-by-inference at a second data point, wherein a de-aggregation event indicating that all items have been removed from said conveyance is generated.

21.   (Original) The method of claim 17, wherein said tag affixed to said one of the goods is a Radio Frequency Identification (RFID) tag and said marking includes scanning said tag affixed to said one of the goods using an RFID reader.

Amendment F   4   21790/08992/DOCS/1616702.1

22.   (Currently Amended) The method of claim 17, wherein said one of the goods is stored in ~~one of said conveyances~~ a conveyance, and said marking includes scanning said tag affixed to ~~said one of~~ said ~~conveyances~~ conveyance using a reader.

23.   (Original) The method of claim 17, wherein said marking includes scanning a tag using a tag reader.

24.   (Previously Presented) The method of claim 23, wherein said tag reader is coupled to said data appliance.

25.   (Previously Presented) The method of claim 23, wherein said tag reader is part of said data appliance.

26.   (Original) The method of claim 17, wherein said marking includes tracking said one of the goods using global positioning satellite (GPS) technology.

27.   (Original) The method of claim 17, wherein said storing utilizes the Universal Data Appliance Protocol (UDAP) to communicate location information from said data appliance to said site server.

28.   (Previously Presented) The method of claim 17, further including said accessing said data center and viewing reports.

29.   (Original) The method of claim 17, further including aggregating a good into a conveyance when said good is loaded into said conveyance and de-aggregating said good from said conveyance when said good is unloaded from said conveyance.

30.   (Canceled)

31.   (Currently Amended) The method of claim 17, wherein said compensating includes detecting that a missing tag read occurred by learning that a tag read was made on said ~~good~~ one of the goods at a first location and at a third location, but not at a second location, wherein said ~~good~~ one of the goods could not arrive at said third location without first passing through said second location.

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32.   (Original) The method of claim 29, further including filtering out any duplicative tag reads.

33.   (Currently Amended) A system for real-time tracking of goods in a supply chain, including:

a data center comprising compensation logic;

~~one or more~~ a site ~~servers~~ server coupled to said data center;

~~one or more~~ a data ~~appliances~~ appliance, ~~each of said data appliances~~ coupled to ~~one of~~ said site ~~servers~~ server; and

~~one or more tags~~ at least one tag, each ~~of said tags~~ tag affixed to a good ~~or conveyance~~ in a way such that ~~they are~~ each tag is readable by a tag reader coupled to ~~or part of~~ said data ~~appliances~~ appliance;

wherein said compensation logic compensates for missing information by using a previous tag read and a current tag read, and users are charged a fee per good tracked to access said data center and view reports compiled using location information regarding each tracked good.

34.   (Currently Amended) The system of claim 33, wherein said at least one ~~tags~~ tag and said tag ~~readers~~ reader ~~both~~ utilize Radio Frequency Identification (RFID) technology.

35.   (Currently Amended) The system of claim 33, further including an Intransit Data Appliance (IDA) and an Enterprise Server, said Enterprise ~~server~~ Server coupled to said data center and said IDA coupled to said Enterprise Server to transmit data on ~~the~~ a location of a good ~~or conveyance~~ using Global Positioning Satellite (GPS) technology.

36.   (Currently Amended) A system for real-time tracking of goods in a supply chain, including:

a data center comprising compensation logic;

~~one or more~~ a site ~~servers~~ server coupled to said data center;

~~one or more~~ a data ~~appliances~~ appliance, ~~each of said data appliances~~ coupled to ~~one of~~ said site ~~servers~~ server;

~~one or more tags~~ at least one tag, each ~~of said tags~~ tag affixed to a good ~~or conveyance~~ in a way such that ~~they are~~ each tag is readable by a tag reader coupled to ~~or~~

part of said data appliances, appliance; and

wherein said compensation logic compensates for missing information by using a previous tag read and a current tag read, and users are charged a fee per transaction to access said data center and view reports compiled using location information regarding each tracked good goods, each of said transactions including a tag read.

37.   (Currently Amended) The system of claim 36, wherein said tags at least one tag and said tag readers reader both utilize Radio Frequency Identification (RFID) technology.

38.   (Currently Amended) The system of claim 36, further including an Intransit Data Appliance (IDA) and an Enterprise Server, said Enterprise server Server coupled to said data center and said IDA coupled to said Enterprise Server to transmit data on the a location of a good or conveyance using Global Positioning Satellite (GPS) technology.

39.   (Currently Amended) A system for real-time tracking of goods in a supply chain, including:

a collaboration center;

one or more a data centers center comprising compensation logic, coupled to said collaboration center;

one or more a site servers sever coupled to said data center;

one or more a data appliances appliance, each of said data appliances coupled to one of said site servers sever;

one or more tags at least one tag, each of said tags tag affixed to a good or conveyance in a way such that they are each tag is readable by a tag reader coupled to or part of said data appliances, appliance; and

wherein said compensation logic compensates for missing information by using a previous tag read and a current tag read, and users are charged a fee per good tracked to access said data center and view location information regarding each tracked good.

40.   (Currently Amended) The system of claim 39, wherein said tags at least one tag and said tag readers reader both utilize Radio Frequency Identification (RFID) technology.

41.   (Currently Amended) The system of claim 39, further including an Intransit Data Appliance (IDA) and an Enterprise Server, said Enterprise ~~server~~ Server coupled to said data center and said IDA coupled to said Enterprise Server to transmit data on ~~the~~ a location of a good ~~or conveyance~~ using Global Positioning Satellite (GPS) technology.

42.   (Currently Amended) A system for real-time tracking of goods in a supply chain, including:
    a collaboration center;
    a data center comprising compensation logic coupled to said collaboration center;
    ~~one or more~~ a site ~~servers~~ server coupled to said data center;
    ~~one or more~~ a data ~~appliances~~ appliance, ~~each of said data appliances~~ coupled to ~~one of~~ said site ~~servers~~ server;
    ~~one or more tags~~ at least one tag, each ~~of said tags~~ tag affixed to a good ~~or conveyance~~ in a way such that ~~they are~~ each tag is readable by a tag reader coupled to ~~or part of~~ said data ~~appliances,~~ appliance; and
    wherein said compensation logic compensates for missing information by using a previous tag read and a current tag read, and users are charged a fee per transaction to access said data center and view reports compiled using location information regarding ~~each~~ tracked ~~good~~ goods, each of said transactions including a tag read.

43.   (Currently Amended) The system of claim 42, wherein said ~~tags~~ at least one tag and said tag ~~readers~~ reader ~~both~~ utilize Radio Frequency Identification (RFID) technology.

44.   (Currently Amended) The system of claim 42, further including an Intransit Data Appliance (IDA) and an Enterprise Server, said Enterprise ~~server~~ Server coupled to said data center and said IDA coupled to said Enterprise Server to transmit data on ~~the~~ a location of a good ~~or conveyance~~ using Global Positioning Satellite (GPS) technology.

45.   (Currently Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for the real-time tracking of goods in a supply chain, the method including:
    affixing a tag to each good to be tracked ~~and/or to each conveyance used to store or~~

carry the goods;

marking a location of one of the goods at a data appliance and storing information on said location at a site server coupled to said data appliance;

uploading said location information to a data center, said data center coupled to said site server;

compensating for missing information by using a previous tag read and a current tag read; and

charging users of said supply chain a fee dependent on the number of tracked goods to access said data center and view reports compiled using location information regarding each tracked good.

46.   (Currently Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for the real-time tracking of goods in a supply chain, the method including:

affixing a tag to each good to be tracked and/or to each conveyance used to store or carry the goods;

marking a location of one of the goods at a data appliance and storing information on said location at a site server coupled to said data appliance;

uploading said information to a data center, said data center coupled to said site server;

compensating for missing information by using a previous tag read and a current tag read; and

charging users of said supply chain a fee per transaction to access said data center and view information regarding each tracked good, each transaction including a single tag read.

47.   (Currently Amended) The system of claim 33, wherein said site server is configured to aggregate one or more at least two of said goods into a conveyance at a data point and indicate an aggregation event.

48.   (Currently Amended) The system of claim 47, wherein said site server is further configured to perform aggregation-by-inference, wherein an aggregation event automatically indicates that said conveyance has been completely filled with items goods.

49.   (Currently Amended) The method of claim 1, wherein said compensating comprises compensating for missing information about a good said one of the goods by using aggregation information derived from a previous tag read and a current tag read to create a missing tag read for the good said one of the goods.

50.   (Currently Amended) The method of claim 1, wherein said compensating comprises compensating for missing information about a second location by using location information from a previous tag read at a first location with location information from a current tag read at a third location to create a missing tag read for the good said one of the goods at the second location.

51.   (Currently Amended) The method of claim 1, further comprising:
receiving the missing information subsequent to the compensating; and
replacing [[the]] compensated information with the missing information.